

Claims 1-34 (canceled)

35 (NEW) An assay for determining the activity of a protein - protein interaction comprising a) transforming a cell with a first vector containing a gene encoding a fusion protein comprising a protein containing a modular protein binding domain MPBD and an exogenously introduced coil - coil heterodimerization domain wherein said gene comprises a WIN-ZIP-A1 synthetic amphipathic helix and with a second vector containing a gene encoding a second fusion protein comprising a binding site for the MPBD and an exogenously introduced second coiled-coil dimerization domain interactive with the first dimerization domain, wherein said gene comprises a WIN-ZIP-B1 synthetic amphipathic helix, b) culturing the transformed cell, c) comparing the activity to a base line control, d) detecting and measuring changes in activity for determining the activity of the protein - protein interaction, wherein the MPBD domain consists of src homology 3 (SH₃) and wherein the protein containing the modular protein binding domain (MPBD), which contains a WIN-ZIP-A1 helix is a tyrosine kinase.

36. (NEW) The assay of claim 35 wherein the base line control constitutes at least two cells wherein each of said cells is transformed by one of the two vectors and not the other.